



# Product on Demand (POD) for US Topo Maps

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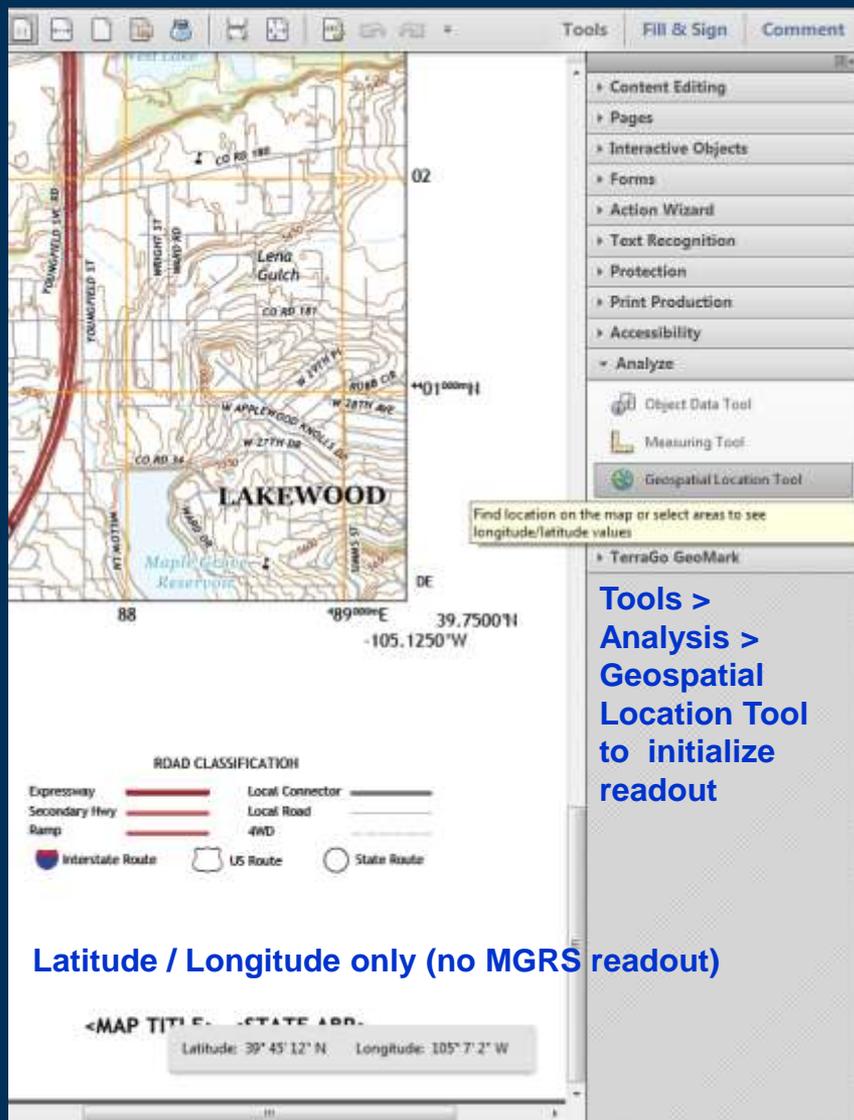
# Agenda

- **Modernization of US Topo Production System**
- **MOD to POD: Changes for Digital Use**
- **MOD to POD: Changes for Printing**
- **Migration Schedule**
- **Drivers**
- **Objectives**
- **Communication Plan**
- **Demo (time-permitting)**

# Modernization of US Topo Production System

- From Map on Demand (MOD) to Product on Demand (POD)
  - MOD is an integrated, customized solution using TerraGo Technologies and Esri software that produces maps as **GeoPDF**, the TerraGo patented format
  - POD is a customized Esri solution that produces maps in an ISO 32000 (PDF 1.7) compliant **geospatial PDF**

# MOD to POD: Digital Use

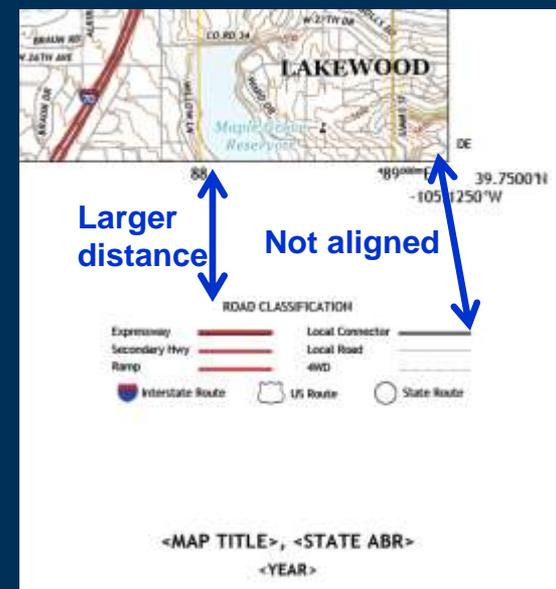


- TerraGo Toolbar does not function with new geospatial PDF
- Coordinate readout is not turned on by default, and it is only available for Latitude / Longitude
  - Access Readout via Tools > Analysis > Geospatial Location Tool to initialize readout

# MOD to POD: Printing

## ■ POD Marginalia

- Slight change in the distance between data frame and marginalia results in slight increase in print area
- Marginalia no longer aligned exactly with data frame
- No impacts are anticipated for printing maps produced in the new geospatial PDF



# Migration Schedule

- Complete Esri POD Phase 2 Enhancements **(Feb 2017)**
- Set up POD in USGS Cloud **(Feb 2017)**
- Upload and organize data needed **(Feb/Mar 2017)**
- Test and optimize the workflow for accessing the data **(Mar 2017)**
- Test and optimize POD Data Management Workflows in USGS Cloud **(Mar/April 2017)**
- Test and optimize US Topo workflows accessing POD on USGS Cloud **(April/May 2017)**
- Maintain MOD in parallel during POD testing phase to ensure US Topo Production continues **(April – Sept (?/TBD) 2017)**
- Implementation of POD for production **(May 2017)**

# Drivers

- **COUs, scientists, emergency managers, recreational users and other customers have a variety of requirements for topographic base maps and GIS data that cannot be met with a single product.**
- **Applications vary from desktop online use to offline field applications and require topographic basemap feature content, thematic feature content, different product and data formats, alternative footprints, and multiple scales.**

# Objectives

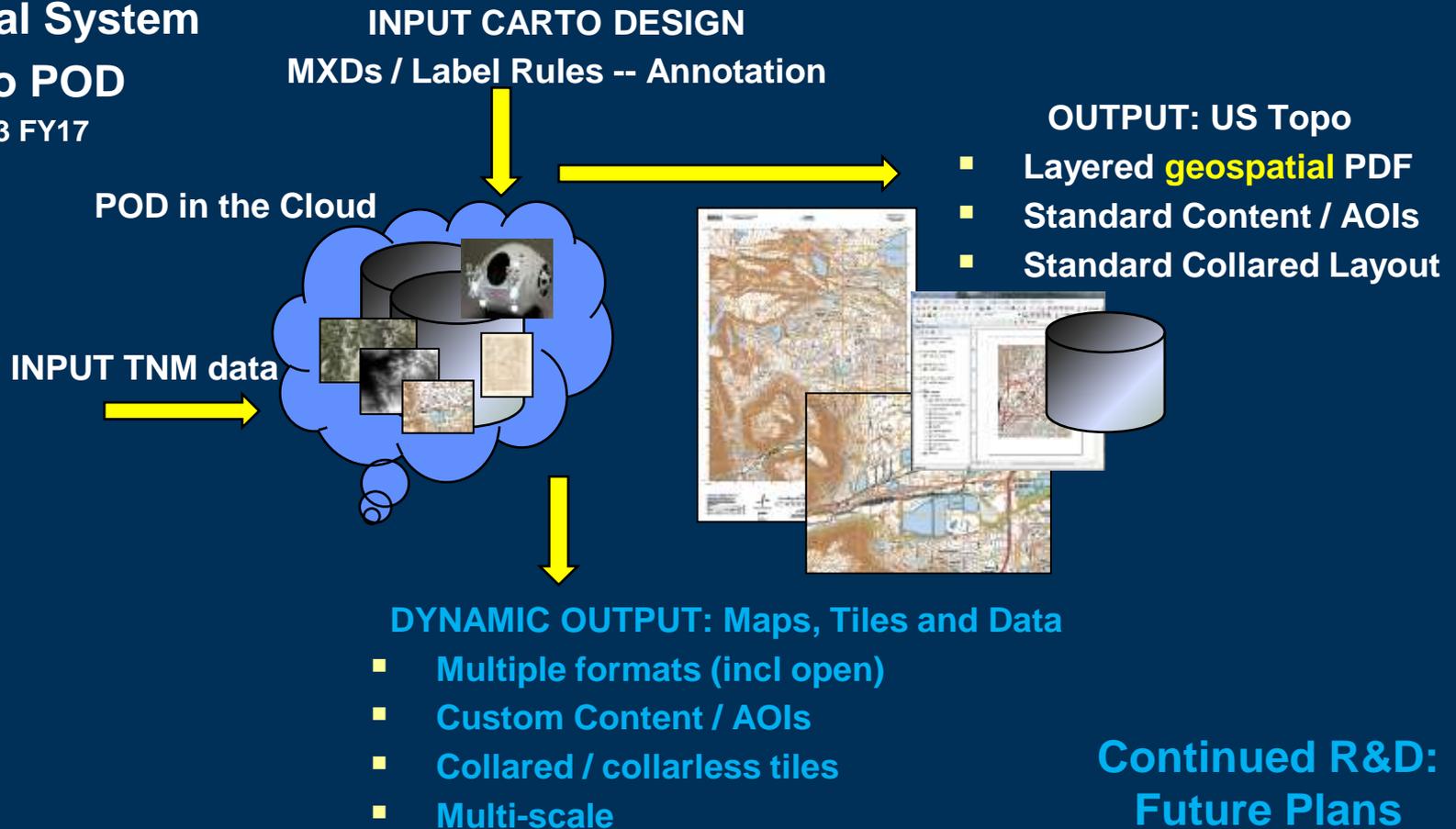
- **Modernize production system**
  - Adhere to the US Topo product standard for scale, extent, projection, datum, coordinate system and grid information
  - Reproduce cartography, page layout, marginalia, layering, Table of Contents, metadata and other characteristics to the extent possible within time/cost limitations
- **Extend production system**
  - Cloud based system, capable of being exposed to a specified set of end users and eventually to the public for dynamic, on-demand, custom mapping
  - Supports multiple map scales, multiple map formats, custom footprints, and custom content from TNM and other sources

# Objectives

## Migrate US Topo Operational System

### MOD to POD

QTR-2-3 FY17



**Continued R&D:  
Future Plans**

# Communication Plan

- **Web Pages Update**
  - <http://nationalmap.gov/ustopo/index.html>
- **Fact Sheet Update**
  - <https://pubs.usgs.gov/fs/2013/3093/pdf/fs2013-3093.pdf>
- **FAQ Update**
  - <http://www.usgs.gov/faq/?q=taxonomy/term/9797>
- **Users Guide Update**
  - <https://nationalmap.gov/ustopo/quickstart.pdf>
- **News Release / Technical Announcement**
- **Other information: Presentations, Videos, Story Map**
- **Briefings**

# Demo (time-permitting)

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